

Test your Knowledge

1. Describe the problem generics address.

generics are a technique for aiding separation of concerns, or the single responsibility principle (SRP), as well as the DRY (Don't Repeat Yourself) principle

2. How would you create a list of strings, using the generic List class?

```
public static List<T> Get<T>() {  
  
    List<T> lst = new List<T>();  
  
    return lst;  
}  
List<string> results = Get<String>();
```

3. How many generic type parameters does the Dictionary class have?

2

4. True/False. When a generic class has multiple type parameters, they must all match. **T**

5. What method is used to add items to a List object? **Insert**

6. Name two methods that cause items to be removed from a List. **remove, pop**

7. How do you indicate that a class has a generic type parameter? Public static bool **areEqual<T>(T a, T b)**

8. True/False. Generic classes can only have one generic type parameter. **F**

9. True/False. Generic type constraints limit what can be used for the generic type. **T**

10. True/False. Constraints let you use the methods of the thing you are constraining to **T**